

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application.

**COMPLETE LISTING OF THE CLAIMS:**

Claims 1-8 : (Canceled)

Claim 9 : (Currently Amended) An assembly for controllably driving a slide for precise movement lengthwise along a guide mounted on a bed of a machine tool having a rack, the assembly comprising:

- a) an electrical motor having a stator, a rotor and a shaft extending along an axis;
- b) a casing for containing the motor;
- c) a body rigid with the shaft for turning movement therewith, for supporting the rotor, the body having an annular chamber concentric with the axis, the chamber extending axially through one end region of the body, and a flange overlying the chamber at said one end region of the body;
- d) a pinion of one-piece with the shaft at one axial end region thereof, for drivingly engaging the rack during movement of the slide;
- e) a transducer stem of one-piece with the shaft at an opposite axial end region thereof; and
- f) bearings mounted on the casing at locations spaced axially apart from each other, for supporting the shaft, the pinion and the stem for joint turning movement.

Claim 10 : (Previously Presented) The assembly of claim 9,  
wherein the motor is a high torque synchronous motor, and wherein the rotor is a multi-polar closed  
ring.

Claim 11 : (Previously Presented) The assembly of claim 9,  
wherein the casing has end covers on which the bearings are supported.

Claim 12 : (Canceled)

Claim 13 : (Previously Presented) The assembly of claim 9, and  
a transducer supported by the stem.

Claim 14 : (Previously Presented) The assembly of claim 9,  
wherein the body is keyed to the shaft.